the one or more elements, and to manipulate the image displayed within the displayed graphical window in accordance with one or more modifications, the one or more modifications comprising a first modification implemented when the initial position of the one or more elements is identified as contacting the inner frame or the outer frame of the displayed graphical window, the first modification comprising manipulating the image displayed by controlling the display device to display a second portion of the image within the changed graphical window, and positions on the display surface of common portions of the first and second portions of the image being substantially the same, a second modification implemented when the initial position of the one or more elements is identified as contacting the other frame of the displayed graphical window, the second modification comprising manipulating the image displayed by changing the first portion of the image in a same manner the displayed graphical window is changed and controlling the display device to display the changed first portion of the image within the changed graphical window.

[0039] For each of the above-summarized further method and system embodiments of the present invention, various aspects and features of such embodiments may be carried out in accordance with the present invention. Some of these features and aspects are summarized below.

[0040] As an aspect of these embodiments, the first modification is implemented when the initial position of an initial one of plural elements is identified as contacting the inner frame or the outer frame of the displayed graphical window, and the second modification is implemented when the initial position of the initial element is identified as contacting the other one of the inner frame or the outer frame of the displayed graphical window.

[0041] As another aspect of these embodiments, the number of elements contacting the inner frame or the outer frame of the displayed graphical window is identified, and a characteristic of the displayed graphical window is changed, the characteristic corresponding to a first characteristic when only one element is identified as contacting the inner frame or the outer frame of the displayed graphical window, the first characteristic being a position of the displayed graphical window on the display device, and the characteristic corresponding to a second characteristic when a plurality of elements are identified as contacting the inner frame or the outer frame of the displayed graphical window, the second characteristic being at least the shape and/or size of the displayed graphical window, the first and second characteristics being different.

[0042] As a further aspect of these embodiments, the number of elements contacting the inner frame or the outer frame of the displayed graphical window is identified, and the displayed graphical window is changed in accordance with one or more graphical window modifications, the one or more graphical window modifications comprising a first graphical window modification implemented when only two elements are identified as contacting the inner frame or the outer frame of the displayed graphical window, the first graphical window modification changing at least the shape and/or size of the displayed graphical window as a function of the identified initial positions and movement of the two elements, and a second graphical window modification implemented when three elements are identified as contacting the inner frame or the outer frame of the displayed graphical window, the second graphical window modification changing at least the position, shape and/or size of the displayed graphical window as a function of the identified initial positions and movement of the three elements, the first and second graphical window modifications being different.

[0043] As another aspect of these embodiments, the number of elements contacting the inner frame or the outer frame of the displayed graphical window is identified, and the displayed graphical window is changed in accordance with one or more graphical window modifications, the one or more graphical window modifications comprising a first graphical window modification implemented when only one element is identified as contacting the inner frame or the outer frame of the displayed graphical window, the first graphical window modification moving an edge of the displayed graphical window contacted by the one element in a direction of identified movement of the one element normal to an axis of the edge, a second graphical window modification implemented when a plurality of elements are identified as contacting the inner frame or the outer frame of the displayed graphical window along different edges of the displayed graphical window, the second graphical window modification moving each of the edges of the displayed graphical window contacted by a respective one of the elements in a direction of identified movement of the respective element normal to an axis of the respective edge.

[0044] As a further aspect of these embodiments, the displayed graphical window is changed in accordance with one or more graphical window modifications, the one or more graphical window modifications comprising a first graphical window modification implemented when two elements are identified as contacting opposite edges of the displayed graphical window, the first graphical window modification changing at least the position and/or shape of the displayed graphical window in accordance with the positions and movement of the two elements contacting the opposite edges, a second graphical window modification implemented when two elements are identified as contacting adjacent edges of the displayed graphical window, the second graphical window modification changing at least the shape and/or size of the displayed graphical window in accordance with the positions and movement of the two elements contacting the adjacent edges, a third graphical window modification implemented when two elements are identified as contacting a same edge of the displayed graphical window, the third graphical window modification changing at least the position and/or shape of the displayed graphical window in accordance with the positions and movement of the two elements contacting the same edge.

[0045] In accordance with an additional method embodiment of the present invention, a method of interfacing with a multi-input display device comprises displaying on a multi-input display device at least first and second graphical windows, displaying a first portion of an image within the first graphical window, displaying a second portion of the image within the second graphical window, the first portion and the second portion representing at least portions of the same image, identifying a number, position and movement of a first element or a first plurality of elements contacting the displayed first graphical window, identifying a number, position and movement of a second element or a second plurality of elements contacting the displayed second graphical window, manipulating the displayed first graphical window as a function of the identified number, position and movement of the first element or the first plurality of elements contacting the first graphical window, manipulating the displayed second